



**THE PORT AUTHORITY
OF NY & NJ**

Peter K. Shewey
ENGINEERING PROGRAM MANAGER
W.T.C.
J. B. [Signature]
CHIEF ELECTRICAL ENGINEER

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS CONSTITUTING A PART OF CONTRACT NO. [] IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.

DATE 7-15-97 *[Signature]* SPEC. WRITER
DATE 7-18-97 *[Signature]* ENGINEER OF DESIGN

No. Date Revision Approved

Engineering Department
Design Divisions

**The World Trade
Center**

Title
**FIRE ALARM SYSTEM
DEVICE UPGRADE
PHASE III**

ELECTRICAL

**1 WTC
46th FLOOR
STROBE INSTALLATION
PLAN**

This drawing subject to conditions in contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

S. FELDSTEIN B. FALDU
Designed by Drawn by Checked by

Date 2/4/97 Scale AS SHOWN

Contract Number Drawing Number

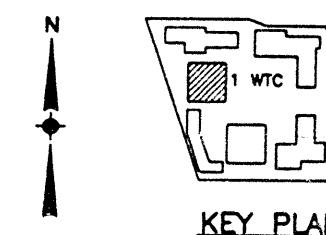
WTC-861.077 E-5

NOTE:

1. FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES, SEE DWG. E-1.
2. LEAVE 8" COILED CABLE (TAG AND TAPE CONDUCTOR ENDS) AT EXISTING STROBE IN THE SUSPENDED CEILING. DISCONNECTION OF EXISTING STROBE CIRCUIT WIRING AND FINAL CONNECTION TO TO EXISTING STROBE WILL BE MADE BY OTHERS.
3. LEAVE 8" COILED CABLE (TAG AND TAPE CONDUCTOR ENDS) AT EXISTING STROBE IN THE SUSPENDED CEILING. DISCONNECTION OF EXISTING E.O.L. RESISTOR AND FINAL CONNECTION TO EXISTING STROBE WILL BE MADE BY OTHERS.
4. DISCONNECT STROBE AND ABANDON WIRING IN PLACE (TAG & TAPE CONDUCTOR ENDS), AND REMIRE AS SHOWN.
5. REPLACE EXISTING STROBE WITH 30 CANDELA RATED STROBE AND WIRE AS SHOWN (UTILIZE EXISTING BACK BOX AND CONDUIT STUB).
6. AFTER INSTALLED STROBES ARE TESTED AND OPERATIONAL, REMOVE STROBE AND RETURN TO AUTHORITY, AND INSTALL BLANK COVER PLATE AND PAINT (MATCH TO EXISTING WALL FINISH).
7. THIS COMBINATION SPEAKER/STROBE AND ASSOCIATE CONDUIT ARE ALSO SHOWN ON SPEAKER INSTALLATION PLAN DWG E-3

STROBE CIRCUIT/LOADING TABLE

STROBE TYPE AND RATING	TYPE	15cd	15/17cd (EXISTING)	30cd	75cd	110cd	CURRENT PER CIRCUIT (AMPS.)	CIRCUIT LENGTH (FT.)
QUANTITY OF STROBES PER CIRCUIT	STR-A	4	3	4	1	-	1.450	270
	STR-B	7	-	1	2	-	1.185	330
	STR-C	7	-	-	1	2	1.405	245
	STR-D	12	-	2	-	-	1.230	370
	STR-E	7	3	3	-	-	0.930	325
	STR-F	12	-	2	1	-	1.750	295
GRAND TOTAL							7.650	1835



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SCALE IN FEET

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